

Attorney Docket: 27681U

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U.S. Department Of Commerce, Patent And Trademark Office		Date: 22 September 2006 (22.09.2006)
Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371		U.S. Application No.: (If known): Not Yet Assigned 10/593900
International Application No.: PCT/KR2005/000889	International Filing Date: 25 March 2005 (25.03.2005)	Priority Date Claimed: 25 March 2004 (25.03.2004)
Title of Invention: DETECTION METHOD OF DNA AMPLIFICATION USING PROBE LABELED WITH INTERCALATING DYE		
Applicants for DO/EO/US: PARK, Han Oh; KIM, Hyun Bae ; CHI, Sung Min		
<p>Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 USC 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. <input checked="" type="checkbox"/> The US has been elected (Article 31). <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)): <ol style="list-style-type: none"> <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> has been communicated by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) <input type="checkbox"/> A English translation of the International Application as filed (35 U.S.C. 371(c)(2)). <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input checked="" type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>ITEMS 11 to 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:</p> <ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter2 and 35 USC 1821 - 1825 <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4) <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4) <input checked="" type="checkbox"/> Other items or information: TRANSMITTAL LETTER; INTERNATIONAL PUBLICATION NUMBER: WO 2006/004267 A1; WITH INTERNATIONAL SEARCH REPORT (FORM PCT/ISA/210); INTERNATIONAL PUBLICATION DATE: 12 JANUARY 2006 (12.01.2006), WHICH CONSISTS OF 65 PAGES: 1 PAGE FOR THE COVER SHEET, 46 PAGES OF TEXTUAL SPECIFICATION, 9 PAGES OF 34 CLAIMS, 9 SHEETS OF DRAWINGS; EXECUTED DECLARATION AND POWER OF ATTORNEY; EXECUTED ASSIGNMENT WITH RECORDATION COVER SHEET TO: BIONEER CORPORATION, DAEDO-KU, DAEJEON 306-220, REPUBLIC OF KOREA; POSTCARD FOR EARLY NOTIFICATION OF THE SERIAL NUMBER REQUEST. 		

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U.S. Application Number: (if known) Not yet Assigned 593900		International Application No.: PCT/KR2005/000889	Date: 22 September 2006 (22.09.2006)
The following fees are submitted: 21. Basic National Fee (37 CFR 1.492(a)) \$ 300.00 22. Examination Fee (37 CFR 1.492 (c)) If the written opinion prepared by ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ 0.00 All other situations \$ 200.00 23. Search Fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International Preliminary Examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ 0.00 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$ 100.00 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$ 400.00 All other situations \$ 500.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding Sequence listing or computer program listing filed in an electronic medium). The fee is \$ 250.00 for each additional 50 sheets of paper or fraction thereof. ENTER APPROPRIATE BASIC FEE AMOUNT =		CALCULATIONS \$ 300.00 \$ 200.00 \$ 400.00 \$ 900.00	PTO USE ONLY
Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$ 0.00	
CLAIMS	NUMBER: FILED	NUMBER: EXTRA	RATE
TOTAL	34-20=	14	X \$ 50.00
INDEPENDENT	7-3=	4	X \$ 200.00
Multiple dependent claims(s) (if applicable)			+ \$360.00
TOTAL OF ABOVE CALCULATIONS =			\$ 2,400.00
Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).			\$ 1,200.00
SUBTOTAL =			\$ 1,200.00
Processing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +			\$ 0.00
TOTAL NATIONAL FEE =			\$ 1,200.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +			\$ 40.00
TOTAL FEES ENCLOSED =			\$ 1,240.00
		Amount to be: refunded charged	\$ \$

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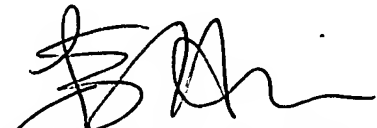
U.S. Application Number:
(if known) ~~Not Yet Assigned~~International
Application Number:
PCT/KR2005/000889Date: 22 September 2006
(22.09.2006)

- 90/375906
- a. ☒ One check in the amount of \$ 1,240.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account Number: 14-0112 in the amount of \$ _____ to cover the above fees. (A duplicate copy of this sheet is enclosed.)
- c. ☒ The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account Number: 14-0112.
- d. ☐ Fees are to be charged to a credit card ☐ WARNING: Information on this form may become public ☐ Credit Card Information should not be included on this form.
☐ Provide credit card information and authorization on PTO-2038

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

Send All Correspondence To:

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10/593900

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Date: September 22, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
PARK et al.

Serial No.: Not Yet Assigned

Filed: September 22, 2006

Internatl. Application No.: PCT/KR2005/000889

Internatl. Filing Date: 25 March 2005 (25.03.2005)

Title: **DETECTION METHOD OF DNA AMPLIFICATION USING PROBE LABELED WITH
INTERCALATING DYE**

TRANSMITTAL LETTER

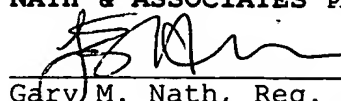
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

- 1) Transmittal Letter;
- 2) Transmittal Letter to U.S. Designated/Elected Office (DO/EO/US) Concerning Filing under 35 U.S.C. 371;
- 3) International Publication Number: WO 2006/004267 A1; with International Search Report (Form PCT/ISA/210), International Publication Date: 12 January 2006 (12.01.2006), which consists of 65 pages:
 - 1 page for the Cover Sheet,
 - 46 pages of Textual Specification,
 - 9 pages of 34 Claims,
 - 9 sheets of Drawings;
- 4) Executed Declaration and Power of Attorney;
- 5) Executed Assignment with Recordation cover sheet to: **BIONEER CORPORATION**, Daedeok-gu, Daejeon 306-220, REPUBLIC OF KOREA;
- 6) Check No.: 2887 in the Amount of \$ 1,240.00 for the Basic Filing Fee, Search and Examination Fees (\$450.00), 14 claims in excess of 20 (\$350.00), 4 independent claims in excess of 3 (\$400.00), and Fee for Recordation of the Assignment (\$40), as a Small Entity;
- 7) Postcard for Early Notification of the Serial Number Request.

Respectfully submitted,
NATH & ASSOCIATES PLLC



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GHN/TEH/SW

(NATLPHASE APPLICATION)